ENVIRONMENTAL CHEMISTS

Date of Report: 04/13/00 Date Received: 03/30/00

Project: Metro Self Monitor, PO# M63833

Date Extracted: 04/10/00 Date Analyzed: 04/10/00

RESULTS FROM THE ANALYSIS OF THE WATER SAMPLE FOR TOTAL METALS BY INDUCTIVELY COUPLED PLASMA (ICP) (METHOD 6010)

Results Reported as mg/L (ppm)

Sample ID	<u>Chromium</u>	Copper	Nickel	<u>Zinc</u>
Laboratory ID				
M63833	0.39	0.32	0.34	< 0.05
003195-01				
Method Blan	nk <0.05	< 0.05	< 0.05	< 0.05

ENVIRONMENTAL CHEMISTS

Date of Report: 04/13/00 Date Received: 03/30/00

Project: Metro Self Monitor, PO# M63833

QUALITY ASSURANCE RESULTS FOR TOTAL METALS BY INDUCTIVELY COUPLED PLASMA (ICP) (METHOD 6010)

Laboratory Code: 004035-01 (Duplicate)

				Relative	
	Reporting	Sample	Duplicate	Percent	Acceptance
Analyte	Units	Result	Result	Difference	Criteria
Chromium	mg/L (ppm) 0.69	0.76	10	0-20
Copper	mg/L (ppm	0.63	0.62	2	0-20
Nickel	mg/L (ppm	0.68	0.80	16	0-20
Zinc	mg/L (ppm	0.08	0.09	12	0-20

Laboratory Code: 004035-01 (Matrix Spike)

	Reporting	Spike	Sample	% Recove	ry % Recovery	Acceptance	
Analyte	Units	Level	Result	MS	MSD	Criteria	RPD
Chromium	mg/L (ppm)	5	0.69	104	101	80-120	3
Copper	mg/L (ppm)	5	0.63	96	89	80-120	8
Nickel	mg/L (ppm)	10	0.68	104	104	80-120	0
Zinc	mg/L (ppm)	5	0.08	106	111	80-120	5

Laboratory Code: Laboratory Control Sample

	Reporting	Spike	% Recove	ery % Recov	ery Acceptanc	е	
Analyte	Units	Level	LCS	LCSE) Criteria	RPD	
Chromium	mg/L (ppm)	5	90	92	80-120	2	- 14.7 3.3
Copper	mg/L (ppm)	5	100	101	80-120	1	
Nickel	mg/L (ppm)	10	89	90	80-120	1	
Zinc	mg/L (ppm)	5	86	87	80-120	1	

FRIEDMAN & BRUYA, INC. 3012 16th Avenue West Seattle, WA 98119-2029 (206) 285-8282

SAMPLE CHAIN OF CUSTODY

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02/25/00

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Charlene Jensen, M.S. Bradley T. Benson, B.S. Kurt Johnson, B.S.

3012 16th Avenue West Seattle, WA 98119-2029 TEL: (206) 285-8282 FAX: (206) 283-5044 e-mail: fbi@isomedia.com

April 13, 2000

DUPLICATE COPY

INVOICE #00ACU0413-1

Accounts Payable Alaskan Copper Works 628 South Hanford Seattle, WA 98134

RE: Project Metro Self Monitor, PO# M63833 - Results of testing requested by Gerald A. Thompson for material submitted on March 30, 2000.

FEDERAL TAX ID (b) (6)

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Charlene Jensen, M.S. Bradley T. Benson, B.S. Kurt Johnson, B.S.

3012 16th Avenue West Seattle, WA 98119-2029 TEL: (206) 285-8282 FAX: (206) 283-5044 e-mail: fbi@isomedia.com

April 13, 2000

Gerald A. Thompson, Project Manager Alaskan Copper Works 628 South Hanford Seattle, WA 98134

Dear Mr. Thompson:

Included are the results from the testing of material submitted on March 30, 2000 from your Metro Self Monitor, PO# M63833 project. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Dianne Cffut

Dianne C. Hurt Project Manager

Enclosures ACU0413R.DOC